THE

BREWER, VICTUALLER,

AND

GAUGER's ASSISTANT;

OR, COMPLEAT

BEER, ALE, AND AMBER TABLES.

CALCULATED BY

W. HARRIS,

No. 22, NORTON STREET, MARY-LE-BONE.

LONDON:

Sold by the following Bookſellers;

G. PEARCE, No. 223, Picadilly; R. RYAN, No. 351, Oxford-ſtreet; I. DEIGHTON, No. 325, Holborn, oppoſite Gray's-Inn; I. TATE, No. 52, St. John-ſtreet, Smithfield; I. PARSONS, No. 21, Paternoſter-row; W. RICHARDSON, No. 23, Cornhill; —SCRUTTON, No. 117, Whitechapel; E. DAVIS, No. 90, Blackman-ſtreet, Southwark; R. BURRIDGE, Black Friars-road, oppoſite the Royal Circus; R. CUST, No. 29, Parliament-ſtreet; J. MATHEWS, No. 18, Strand; and of all the Bookſellers in *Great Britain*.

PRICE ONE SHILLING AND SIXPENCE.

Publiſhed *July*, 1793.

Entered at Stationers Hall.

To Perſons inclined to enter into Trade, or Retire,

W. HARRIS, *Sworn Exchange Broker, Auctioneer, Appraiſer, Surveyor, and Undertaker*, No. 22, *Norton Street, Mary-le-bone*; reſpectfully acquaints the public that he continues to diſpoſe off by Commiſſion, Private Houſes, Farms, Taverns, Coffee-Houſes, Inns, Liquor-Shops, Public-Houſes, and Shops in various Trades, in Town and Country, with that circumſpection and diſpatch which has given univerſal ſatisfaction for ſeveral years paſt, and by his extenſive connections in trade he is enabled to diſpoſe of Eſtates, Houſes, &c. greatly to the advantage of his employers, and likewiſe to accommodate his friends and the public with eligible ſituations in buſineſs; and in return for the numerous favours conferred on him in ſales and appraiſements induced him to plan the following Beer, Ale, and Amber tables; and conceives they will prove both uſeful and beneficial to every perſon concerned in the public line of Buſineſs.

Houſes, effects, and ſtock of all kinds deſtroyed or damaged by fire, valued, and eſtimates of the ſufferer's loſs made out for the fire-offices.

Money advanced on Eſtates, Furniture and Effects intended for public ſale, or the full value given for the ſame. Eſtates, &c. ſurveyed and valued, rents collected, and houſes furniſhed.

Freehold, copyhold, and leaſehold eſtates, annuities, ground-rents, reverſions, renters-ſhares, and all kinds of government ſecurities bought and ſold.

Tranſacts buſineſs at the Bank.

A variety of eſtates always on ſale.

Several Private Houſes, Taverns, Coffee-Houſes, Inns, Public-Houſes, Liquor-Shops, and Shops in various branches to be let.

Funerals furniſhed to all parts of England.

NOTE. By an act of Parliament made in the ſixth year of Queen Anne, it is enacted—That if any perſon ſhall take upon him to act as a Broker in any capacity, or employ any other under him to act as ſuch, within the city of London and Liberties thereof, without being firſt admitted

mitted a Sworn Exchange Broker, by the Lord Mayor, and Court of Aldermen, he is liable to pay twenty-five pounds for every ſuch offence.

W. HARRIS, having purchaſed the appraiſing books of the late Mr. William Crawford, of *Richmond Buildings, Dean Street, Soho*, Appraiſer and Auctioneer, deceaſed, (from Mr. Hamilton his executor) can at any time refer to them to aſcertain the right of either Landlord or Tenant to the fixtures, &c. of every Houſe appraiſed by the ſaid Mr. Crawford, and ſolicits the favours of his friends, who may depend on their orders being ſpeedily fulfilled with accuracy deſerving their eſteem and recommendation.

To Perſons concerned in the Beer Trade.

GENTLEMEN,

IT is requiſite to obſerve that this ſmall but comprehenſive repoſitory, has a peculiar advantage attending it, in having the preſent price of every article ſent from the Brewer, with the ſizes of the caſks ſtrikingly pointed out, and aſſiſted by a plain and eaſy method of Gauging the quantities contained therein, with the price inſerted in the ſame line; adapted to all capacities.

A preciſe attention has been paid to the moſt common and ſignificant occurrences in the public line of buſineſs; the tables have been compiled in regular order, with accuracy, on a plan of public utility, and the calculation can be depended on, therefore no other recommendation is required than their own general and extenſive uſe, and may prove ſerviceable to the Gauger in taking ſtock, as reference thereto will prevent errors, and the delay that frequently happens at the ſettlement of appraiſements, for which it will be an effectual remedy in rendering aſſiſtance to the Gaugers to expedite their buſineſs, and cannot fail obtaining the approbation of the Publicans, for whoſe ſervice it was cheifly deſigned.

How far the principles beforementioned have been followed

followed in the completion of this work, is left to the deciſion of thoſe who have occaſion to uſe it; yet, to aſſure the public that the calculations may be ſafely relied on; I have carefully re-examined every ſheet as it came from the preſs, and ſigned my name on the title of every book that will be warranted correct.

Inconveniences attend moſt perſons on their firſt entering into the public line of buſineſs, for want of knowledge in managing their liquors, which is ſometimes attended with conſiderable loſs of trade, therefore it is requiſite that care ſhould be taken to keep their cellar in regular order, on which in ſome meaſure depends their ſucceſs. Examine the beer, and tap that only which is fit for preſent uſe, for it will ſometimes unavoidably happen, that beer will be out of condition, yet if proper time is allowed, it frequently returns to its purity, and proves excellent beer; but if it ſhould not recover, the Brewers are always ready to redreſs any reaſonable complaint, as the increaſe of trade is advantageous to both parties, and the abroad Coopers will inſtruct their cuſtomers to manage the beer, and keep it in order.

Having attained thoſe methods, it is alſo neceſſary to know the true quantity of their ſtock, which may enable them to correct errors if any ariſe, and by calculating their profits and expences, and balancing their accounts with exactneſs, it will thereby prove whether their endeavours are attended with ſucceſs; and it is generally remarked, that if a Publican keeps his payments to his tradeſmen regular, and endeavours by a ſteady application to augment his trade, he will gain their eſteem and ſupport, in that, or any greater undertaking he may be inclined to enter into in that line; whereby ſeveral have been enabled in a few years to retire from trade, with a genteel competency to enjoy the fruits of their induſtry.

EXPLA-

EXPLANATION.

THE uſual mode of buſineſs is; no Brewer ever ſends out a ſingle butt of beer to any Victualler on ullage under 100 gallons, therefore it would be unneceſſary to begin the firſt table at leſs, but ſhould it ſo happen that a butt is ſent in upon gauge under 100 gallons, then refer to the return table, page 62, and you will find any quantity of gallons from 1 gallon, regularly to 100 gallons, with the price to each quantity, as in all the other tables. The firſt column on the left hand ſhows the Quantity of gallons contained in all the butts ſent in; for inſtance, ſuppoſe you have ſix butts of beer gauged at 641 gallons, refer to the index for the folio for ſix butts, and look down the firſt column on the left hand, until you come to 641, and in the ſame line you will find the quantity of barrels, firkins, and gallons that 641 gallons amounts to, which is 17 barrels, 3 firkins, and 2 gallons, with the money that quantity of beer comes to in the ſame line, which is 26*l.* 14*s.* 2*d.* and ſo in like manner any other quantity with the price to each article.

There are ſeveral tables for the various prices and different caſks uſed by the Brewers and ſent to the Victuallers; the firſt table, page 1, begins at one butt upon ullage, regularly to 24 butts full of ſtore beer at 30*s.* per barrel, which in general is as much as any Victualler has laid in at one time.

The ſecond table, page 62, is calculated for Returns or Leakage of Store Beer and Amber, at the ſame price of 30*s.* per barrel, from 1 gallon regularly up to 100 gallons, and then to 200, 300, and ſo on to 1000 gallons; and by this table you may eaſily calculate what number of barrels, firkins, &c. will contain 20,000 gallons or more, and the money any quantity of the above amounts to.

The third table, page 66, is calculated for Started Beer, at 29*s.* per barrel, from 1 firkin to 100 barrels regularly, and then to 200 barrels, 300 barrels, and ſo on to 1000 barrels, which is as much as any Victualler ever ſtarts in one ſeaſon, with the money each quantity amounts to. The reaſon for beginning this table at a firkin, is, an accident may happen of a barrel turning on the dray, and waſte thereby a firkin or kilderkin of beer, which might create a diſpute between the Brewer and Victualler, therefore if this book is duly attended to, and it is preſumed

ſumed that no Brewer, Victualler, or Gauger will be without one of them: buſineſs will then be carried on to the ſatisfaction of all parties.

The fourth table, page 68, is calculated for puncheons of Store Beer, at 30s. per barrel, from 1 puncheon full to 3000 puncheons full, which quantity no Victualler ever exceeds having in his poſſeſſion at one time, who is obliged in low cellars to draw his beer from puncheons, and if puncheons on ullage are ſent to any Victualler, refer to the beer return table, page 62, for inſtance, ſuppoſe a Victualler has 4 puncheons of beer, which is one dray load ſent in upon ullage, and each puncheon gauged at 68 gallons, 4 times 68 gal. is 272, refer to page 1, for 2 butts

	£.	s.	d.
full which is 216 gallons, and amounts to	9	0	0
then refer to the return table			
for 56 gallons which is - -	2	6	8
therefore 272 gallons amounts to -	11	6	8

to prove the above to be true and correct, 4 puncheons full is 8 barrels, contains 288 gallons, and amounts to 12 0 0

Therefore from 288 gallons
Subſtract 272

Remains 16 gallons which amounts to - - - - - - - 13 4

Add thoſe ſums together

Shews the ſum that 4 puncheons full coſt. 12 0 0

And the ſame in any other quantity.

And as ſeveral Victuallers deal in beer called brown ſtout, which uſually is charged 1*d.* a gallon extra; that is, 3*s.* per barrel, or 9*s.* per butt, therefore for every barrel of that article ſent in, add 3*s.* to the price of ſtore beer, and that will ſhew the amount of any quantity.

The fifth table, page 70, is for amber, which is uſually charged at 30*s.* per barrel, from one firkin to 20 hogſheads.

The ſixth tab. pa. 71, is for ale uſually charged at 1*s.* per gallon, or 36*s.* per barrel, from 1 firkin to 30 puncheons.

By the ſeventh tab. pa. 72, any perſon may with a 4 feet rod or rule, marked with inches only, gauge a butt ſtanding, and the quantity contained by inches is given in gallons and quarts.

The eighth table, page 73, ſhews the gauge of a puncheon after the ſame method.

INDEX.

INDEX.

Store Beer at 30s. per Barrel.

	Page		Page
One Butt	1	*Twenty ditto*	44
Two ditto	1	*Twenty-one ditto*	48
Three ditto	2	*Twenty-two ditto*	51
Four ditto	3	*Twenty-three ditto*	54
Five ditto	4	*Twenty-four ditto*	58
Six ditto	5	*Return Beer, or Leakage, at 30s. per Barrel*	62
Seven ditto	6	*Started Beer at 29s. per Barrel.*	66
Eight ditto	8	*Puncheons at 30s. per Bar.*	68
Nine ditto	10	*Amber at 30s. per Barrel*	70
Ten ditto	13	*Ale at 36s. per Barrel*	71
Eleven ditto	15	*Gauge of a Butt by Inches*	72
Twelve ditto	18	*Ditto of a Puncheon by ditto*	73
Thirteen ditto	21	*Gauge of various Casks*	74
Fourteen ditto	24	*Table of Fees and Expences*	74
Fifteen ditto	28	*The Publican's Reckoner for Pints and Quarts of Beer, Ale, and Amber*	75
Sixteen ditto	31		
Seventeen ditto	34		
Eighteen ditto	38		
Nineteen ditto	41		

THE BREWER, VICTUALLER, AND GAUGER's ASSISTANT.

STORE BEER.

At 30s. per Barrel.

ONE BUTT.

Gallons.	Barrels.	Firkins.	Gallons	£.	s.	d.
100	2	3	1	4	3	4
101	2	3	2	4	4	2
102	2	3	3	4	5	
103	2	3	4	4	5	10
104	2	3	5	4	6	8
105	2	3	6	4	7	6
106	2	3	7	4	8	4
107	2	3	8	4	9	2
108	3			4	10	

TWO BUTTS.

200	5	2	2	8	6	8
201	5	2	3	8	7	6
202	5	2	4	8	8	4
203	5	2	5	8	9	2
204	5	2	6	8	10	
205	5	2	7	8	10	10
206	5	2	8	8	11	8
207	5	3		8	12	6
208	5	3	1	8	13	4
209	5	3	2	8	14	2

TWO BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
210	5	3	3	8	15	
211	5	3	4	8	15	10
212	5	3	5	8	16	8
213	5	3	6	8	17	6
214	5	3	7	8	18	4
215	5	3	8	8	19	2
216	6			9		

THREE BUTTS.

300	8	1	3	12	10	
301	8	1	4	12	10	10
302	8	1	5	12	11	8
303	8	1	6	12	12	6
304	8	1	7	12	13	4
305	8	1	8	12	14	2
306	8	2		12	15	
307	8	2	1	12	15	10
308	8	2	2	12	16	8
309	8	2	3	12	17	6
310	8	2	4	12	18	4
311	8	2	5	12	19	2
312	8	2	6	13		
313	8	2	7	13		10
314	8	2	8	13	1	8
315	8	3		13	2	6
316	8	3	1	13	3	4
317	8	3	2	13	4	2
318	8	3	3	13	5	
319	8	3	4	13	5	10
320	8	3	5	13	6	8
321	8	3	6	13	7	6
322	8	3	7	13	8	4
323	8	3	8	13	9	2
324	9			13	10	

FOUR BUTTS.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
400	11		4	16	13	4
401	11		5	16	14	2
402	11		6	16	15	
403	11		7	16	15	10
404	11		8	16	16	8
405	11	1		16	17	6
406	11	1	1	16	18	4
407	11	1	2	16	19	2
408	11	1	3	17		
409	11	1	4	17		10
410	11	1	5	17	1	8
411	11	1	6	17	2	6
412	11	1	7	17	3	4
413	11	1	8	17	4	2
414	11	2		17	5	
415	11	2	1	17	5	10
416	11	2	2	17	6	8
417	11	2	3	17	7	6
418	11	2	4	17	8	4
419	11	2	5	17	9	2
420	11	2	6	17	10	
421	11	2	7	17	10	10
422	11	2	8	17	11	8
423	11	3		17	12	6
424	11	3	1	17	13	4
425	11	3	2	17	14	2
426	11	3	3	17	15	
427	11	3	4	17	15	10
428	11	3	5	17	16	8
429	11	3	6	17	17	6
430	11	3	7	17	18	4
431	11	3	8	17	19	2
432	12			18		

FIVE BUTTS.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
500	13	3	5	20	16	8
501	13	3	6	20	17	6
502	13	3	7	20	18	4
503	13	3	8	20	19	2
504	14			21		
505	14		1	21		10
506	14		2	21	1	8
507	14		3	21	2	6
508	14		4	21	3	4
509	14		5	21	4	2
510	14		6	21	5	
511	14		7	21	5	10
512	14		8	21	6	8
513	14	1		21	7	6
514	14	1	1	21	8	4
515	14	1	2	21	9	2
516	14	1	3	21	10	
517	14	1	4	21	10	10
518	14	1	5	21	11	8
519	14	1	6	21	12	6
520	14	1	7	21	13	4
521	14	1	8	21	14	2
522	14	2		21	15	
523	14	2	1	21	15	10
524	14	2	2	21	16	8
525	14	2	3	21	17	6
526	14	2	4	21	18	4
527	14	2	5	21	19	2
528	14	2	6	22		
529	14	2	7	22		10
530	14	2	8	22	1	8
531	14	3		22	2	6
532	14	3	1	22	3	4

FIVE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
533	14	3	2	22	4	2
534	14	3	3	22	5	
535	14	3	4	22	5	10
536	14	3	5	22	6	8
537	14	3	6	22	7	6
538	14	3	7	22	8	4
539	14	3	8	22	9	2
540	15			22	10	

SIX BUTTS.

600	16	2	6	25		
601	16	2	7	25		10
602	16	2	8	25	1	8
603	16	3		25	2	6
604	16	3	1	25	3	4
605	16	3	2	25	4	2
606	16	3	3	25	5	
607	16	3	4	25	5	10
608	16	3	5	25	6	8
609	16	3	6	25	7	6
610	16	3	7	25	8	4
611	16	3	8	25	9	2
612	17			25	10	
613	17		1	25	10	10
614	17		2	25	11	8
615	17		3	25	12	6
616	17		4	25	13	4
617	17		5	25	14	2
618	17		6	25	15	
619	17		7	25	15	10
620	17		8	25	16	8
621	17	1		25	17	6

SIX BUTTS, *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
622	17	1	1	25	18	4
623	17	1	2	25	19	2
624	17	1	3	26		
625	17	1	4	26		10
626	17	1	5	26	1	8
627	17	1	6	26	2	6
628	17	1	7	26	3	4
629	17	1	8	26	4	2
630	17	2		26	5	
631	17	2	1	26	5	10
632	17	2	2	26	6	8
633	17	2	3	26	7	6
634	17	2	4	26	8	4
635	17	2	5	26	9	2
636	17	2	6	26	10	
637	17	2	7	26	10	10
638	17	2	8	26	11	8
639	17	3		26	12	6
640	17	3	1	26	13	4
641	17	3	2	26	14	2
642	17	3	3	26	15	
643	17	3	4	26	15	10
644	17	3	5	26	16	8
645	17	3	6	26	17	6
646	17	3	7	26	18	4
647	17	3	8	26	19	2
648	18			27		

SEVEN BUTTS.

700	19	1	7	29	3	4
701	19	1	8	29	4	2
702	19	2		29	5	

SEVEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
703	19	2	1	29	5	10
704	19	2	2	29	6	8
705	19	2	3	29	7	6
706	19	2	4	29	8	4
707	19	2	5	29	9	2
708	19	2	6	29	10	
709	19	2	7	29	10	10
710	19	2	8	29	11	8
711	19	3		29	12	6
712	19	3	1	29	13	4
713	19	3	2	29	14	2
714	19	3	3	29	15	
715	19	3	4	29	15	10
716	19	3	5	29	16	8
717	19	3	6	29	17	6
718	19	3	7	29	18	4
719	19	3	8	29	19	2
720	20			30		
721	20		1	30		10
722	20		2	30	1	8
723	20		3	30	2	6
724	20		4	30	3	4
725	20		5	30	4	2
726	20		6	30	5	
727	20		7	30	5	10
728	20		8	30	6	8
729	20	1		30	7	6
730	20	1	1	30	8	4
731	20	1	2	30	9	2
732	20	1	3	30	10	
733	20	1	4	30	10	10
734	20	1	5	30	11	8
735	20	1	6	30	12	6

SEVEN BUTTS *continued.*

Gallons.	Barrels	Firkins	Gall.	£.	s.	d.
736	20	1	7	30	13	4
737	20	1	8	30	14	2
738	20	2		30	15	
739	20	2	1	30	15	10
740	20	2	2	30	16	8
741	20	2	3	30	17	6
742	20	2	4	30	18	4
743	20	2	5	30	19	2
744	20	2	6	31		
745	20	2	7	31		10
746	20	2	8	31	1	8
747	20	3		31	2	6
748	20	3	1	31	3	4
749	20	3	2	31	4	2
750	20	3	3	31	5	
751	20	3	4	31	5	10
752	20	3	5	31	6	8
753	20	3	6	31	7	6
754	20	3	7	31	8	4
755	20	3	8	31	9	2
756	21			31	10	

EIGHT BUTTS.

800	22		8	33	6	8
801	22	1		33	7	6
802	22	1	1	33	8	4
803	22	1	2	33	9	2
804	22	1	3	33	10	
805	22	1	4	33	10	10
806	22	1	5	33	11	8
807	22	1	6	33	12	6
808	22	1	7	33	13	4

EIGHT BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
809	22	1	8	33	14	2
810	22	2		33	15	
811	22	2	1	33	15	10
812	22	2	2	33	16	8
813	22	2	3	33	17	6
814	22	2	4	33	18	4
815	22	2	5	33	19	2
816	22	2	6	34		
817	22	2	7	34		10
818	22	2	8	34	1	8
819	22	3		34	2	6
820	22	3	1	34	3	4
821	22	3	2	34	4	2
822	22	3	3	34	5	
823	22	3	4	34	5	10
824	22	3	5	34	6	8
825	22	3	6	34	7	6
826	22	3	7	34	8	4
827	22	3	8	34	9	2
828	23			34	10	
829	23		1	34	10	10
830	23		2	34	11	8
831	23		3	34	12	6
832	23		4	34	13	4
833	23		5	34	14	2
834	23		6	34	15	
835	23		7	34	15	10
836	23		8	34	16	8
837	23	1		34	17	6
838	23	1	1	34	18	4
839	23	1	2	34	19	2
840	23	1	3	35		
841	23	1	4	35		10

EIGHT BUTTS *continued.*

Gallons.	Barrels.	Firkins	Gall.	£.	s.	d.
842	23	1	5	35	1	8
843	23	1	6	35	2	6
844	23	1	7	35	3	4
845	23	1	8	35	4	2
846	23	2		35	5	
847	23	2	1	35	5	10
848	23	2	2	35	6	8
849	23	2	3	35	7	6
850	23	2	4	35	8	4
851	23	2	5	35	9	2
852	23	2	6	35	10	
853	23	2	7	35	10	10
854	23	2	8	35	11	8
855	23	3		35	12	6
856	23	3	1	35	13	4
857	23	3	2	35	14	2
858	23	3	3	35	15	
859	23	3	4	35	15	10
860	23	3	5	35	16	8
861	23	3	6	35	17	6
862	23	3	7	35	18	4
863	23	3	8	35	19	2
864	24			36		

NINE BUTTS.

900	25			37	10	
901	25		1	37	10	10
902	25		2	37	11	8
903	25		3	37	12	6
904	25		4	37	13	4
905	25		5	37	14	2
906	25		6	37	15	

NINE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
907	25		7	37	15	10
908	25		8	37	16	8
909	25	1		37	17	6
910	25	1	1	37	18	4
911	25	1	2	37	19	2
912	25	1	3	38		
913	25	1	4	38		10
914	25	1	5	38	1	8
915	25	1	6	38	2	6
916	25	1	7	38	3	4
917	25	1	8	38	4	2
918	25	2		38	5	
919	25	2	1	38	5	10
920	25	2	2	38	6	8
921	25	2	3	38	7	6
922	25	2	4	38	8	4
923	25	2	5	38	9	2
924	25	2	6	38	10	
925	25	2	7	38	10	10
926	25	2	8	38	11	8
927	25	3		38	12	6
928	25	3	1	38	13	4
929	25	3	2	38	14	2
930	25	3	3	38	15	
931	25	3	4	38	15	10
932	25	3	5	38	16	8
933	25	3	6	38	17	6
934	25	3	7	38	18	4
935	25	3	8	38	19	2
936	26			39		
937	26		1	39		10
938	26		2	39	1	8
939	26		3	39	2	6

NINE BUTTS *continued.*

Gallons.	Barrels	Firkins.	Gall.	£.	s.	d.
940	26		4	39	3	4
941	26		5	39	4	2
942	26		6	39	5	
943	26		7	39	5	10
944	26		8	39	6	8
945	26	1		39	7	6
946	26	1	1	39	8	4
947	26	1	2	39	9	2
948	26	1	3	39	10	
949	26	1	4	39	10	10
950	26	1	5	39	11	8
951	26	1	6	39	12	6
952	26	1	7	39	13	4
953	26	1	8	39	14	2
954	26	2		39	15	
955	26	2	1	39	15	10
956	26	2	2	39	16	8
957	26	2	3	39	17	6
958	26	2	4	39	18	4
959	26	2	5	39	19	2
960	26	2	6	40		
961	26	2	7	40		10
962	26	2	8	40	1	8
963	26	3		40	2	6
964	26	3	1	40	3	4
965	26	3	2	40	4	2
966	26	3	3	40	5	
967	26	3	4	40	5	10
968	26	3	5	40	6	8
969	26	3	6	40	7	6
970	26	3	7	40	8	4
971	26	3	8	40	9	2
972	27			40	10	

TEN BUTTS.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1000	27	3	1	41	13	4
1001	27	3	2	41	14	2
1002	27	3	3	41	15	
1003	27	3	4	41	15	10
1004	27	3	5	41	16	8
1005	27	3	6	41	17	6
1006	27	3	7	41	18	4
1007	27	3	8	41	19	2
1008	28			42		
1009	28		1	42		10
1010	28		2	42	1	8
1011	28		3	42	2	6
1012	28		4	42	3	4
1013	28		5	42	4	2
1014	28		6	42	5	
1015	28		7	42	5	10
1016	28		8	42	6	8
1017	28	1		42	7	6
1018	28	1	1	42	8	4
1019	28	1	2	42	9	2
1020	28	1	3	42	10	
1021	28	1	4	42	10	10
1022	28	1	5	42	11	8
1023	28	1	6	42	12	6
1024	28	1	7	42	13	4
1025	28	1	8	42	14	2
1026	28	2		42	15	
1027	28	2	1	42	15	10
1028	28	2	2	42	16	8
1029	28	2	3	42	17	6
1030	28	2	4	42	18	4
1031	28	2	5	42	19	2
1032	28	2	6	43		

TEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1033	28	2	7	43		10
1034	28	2	8	43	1	8
1035	28	3		43	2	6
1036	28	3	1	43	3	4
1037	28	3	2	43	4	2
1038	28	3	3	43	5	
1039	28	3	4	43	5	10
1040	28	3	5	43	6	8
1041	28	3	6	43	7	6
1042	28	3	7	43	8	4
1043	28	3	8	43	9	2
1044	29			43	10	
1045	29		1	43	10	10
1046	29		2	43	11	8
1047	29		3	43	12	6
1048	29		4	43	13	4
1049	29		5	43	14	2
1050	29		6	43	15	
1051	29		7	43	15	10
1052	29		8	43	16	8
1053	29	1		43	17	6
1054	29	1	1	43	18	4
1055	29	1	2	43	19	2
1056	29	1	3	44		
1057	29	1	4	44		10
1058	29	1	5	44	1	8
1059	29	1	6	44	2	6
1060	29	1	7	44	3	4
1061	29	1	8	44	4	2
1062	29	2		44	5	
1063	29	2	1	44	5	10
1064	29	2	2	44	6	8
1065	29	2	3	44	7	6

TEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1066	29	2	4	44	8	4
1067	29	2	5	44	9	2
1068	29	2	6	44	10	
1069	29	2	7	44	10	10
1070	29	2	8	44	11	8
1071	29	3		44	12	6
1072	29	3	1	44	13	4
1073	29	3	2	44	14	2
1074	29	3	3	44	15	
1075	29	3	4	44	15	10
1076	29	3	5	44	16	8
1077	29	3	6	44	17	6
1078	29	3	7	44	18	4
1079	29	3	8	44	19	2
1080	30			45		

ELEVEN BUTTS.

1100	30	2	2	45	16	8
1101	30	2	3	45	17	6
1102	30	2	4	45	18	4
1103	30	2	5	45	19	2
1104	30	2	6	46		
1105	30	2	7	46		10
1106	30	2	8	46	1	8
1107	30	3		46	2	6
1108	30	3	1	46	3	4
1109	30	3	2	46	4	2
1110	30	3	3	46	5	
1111	30	3	4	46	5	10
1112	30	3	5	46	6	8
1113	30	3	6	46	7	6
1114	30	3	7	46	8	4

ELEVEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1115	30	3	8	46	9	2
1116	31			46	10	
1117	31		1	46	10	10
1118	31		2	46	11	8
1119	31		3	46	12	6
1120	31		4	46	13	4
1121	31		5	46	14	2
1122	31		6	46	15	
1123	31		7	46	15	10
1124	31		8	46	16	8
1125	31	1		46	17	6
1126	31	1	1	46	18	4
1127	31	1	2	46	19	2
1128	31	1	3	47		
1129	31	1	4	47		10
1130	31	1	5	47	1	8
1131	31	1	6	47	2	6
1132	31	1	7	47	3	4
1133	31	1	8	47	4	2
1134	31	2		47	5	
1135	31	2	1	47	5	10
1136	31	2	2	47	6	8
1137	31	2	3	47	7	6
1138	31	2	4	47	8	4
1139	31	2	5	47	9	2
1140	31	2	6	47	10	
1141	31	2	7	47	10	10
1142	31	2	8	47	11	8
1143	31	3		47	12	6
1144	31	3	1	47	13	4
1145	31	3	2	47	14	2
1146	31	3	3	47	15	
1147	31	3	4	47	15	10

ELEVEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1148	31	3	5	47	16	8
1149	31	3	6	47	17	6
1150	31	3	7	47	18	4
1151	31	3	8	47	19	2
1152	32			48		
1153	32		1	48		10
1154	32		2	48	1	8
1155	32		3	48	2	6
1156	32		4	48	3	4
1157	32		5	48	4	2
1158	32		6	48	5	
1159	32		7	48	5	10
1160	32		8	48	6	8
1161	32	1		48	7	6
1162	32	1	1	48	8	4
1163	32	1	2	48	9	2
1164	32	1	3	48	10	
1165	32	1	4	48	10	10
1166	32	1	5	48	11	8
1167	32	1	6	48	12	6
1168	32	1	7	48	13	4
1169	32	1	8	48	14	2
1170	32	2		48	15	
1171	32	2	1	48	15	10
1172	32	2	2	48	16	8
1173	32	2	3	48	17	6
1174	32	2	4	48	18	4
1175	32	2	5	48	19	2
1176	32	2	6	49		
1177	32	2	7	49		10
1178	32	2	8	49	1	8
1179	32	3		49	2	6
1180	32	3	1	49	3	4

ELEVEN BUTTS *continued.*

Gallons.	Barrels	Firkins.	Gall.	£.	s.	d.
1181	32	3	2	49	4	2
1182	32	3	3	49	5	
1183	32	3	4	49	5	10
1184	32	3	5	49	6	8
1185	32	3	6	49	7	6
1186	32	3	7	49	8	4
1187	32	3	8	49	9	2
1188	33			49	10	

TWELVE BUTTS.

1200	33	1	3	50		
1201	33	1	4	50		10
1202	33	1	5	50	1	8
1203	33	1	6	50	2	6
1204	33	1	7	50	3	4
1205	33	1	8	50	4	2
1206	33	2		50	5	
1207	33	2	1	50	5	10
1208	33	2	2	50	6	8
1209	33	2	3	50	7	6
1210	33	2	4	50	8	4
1211	33	2	5	50	9	2
1212	33	2	6	50	10	
1213	33	2	7	50	10	10
1214	33	2	8	50	11	8
1215	33	3		50	12	6
1216	33	3	1	50	13	4
1217	33	3	2	50	14	2
1218	33	3	3	50	15	
1219	33	3	4	50	15	10
1220	33	3	5	50	16	8
1221	33	3	6	50	17	6

TWELVE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1222	33	3	7	50	18	4
1223	33	3	8	50	19	2
1224	34			51		
1225	34		1	51		10
1226	34		2	51	1	8
1227	34		3	51	2	6
1228	34		4	51	3	4
1229	34		5	51	4	2
1230	34		6	51	5	
1231	34		7	51	5	10
1232	34		8	51	6	8
1233	34	1		51	7	6
1234	34	1	1	51	8	4
1235	34	1	2	51	9	2
1236	34	1	3	51	10	
1237	34	1	4	51	10	10
1238	34	1	5	51	11	8
1239	34	1	6	51	12	6
1240	34	1	7	51	13	4
1241	34	1	8	51	14	2
1242	34	2		51	15	
1243	34	2	1	51	15	10
1244	34	2	2	51	16	8
1245	34	2	3	51	17	6
1246	34	2	4	51	18	4
1247	34	2	5	51	19	2
1248	34	2	6	52		
1249	34	2	7	52		10
1250	34	2	8	52	1	8
1251	34	3		52	2	6
1252	34	3	1	52	3	4
1253	34	3	2	52	4	2
1254	34	3	3	52	5	

TWELVE BUTTS *continued.*

Gallons.	Barrels	Firkins.	Gall.	£.	s.	d.
1255	34	3	4	52	5	10
1256	34	3	5	52	6	8
1257	34	3	6	52	7	6
1258	34	3	7	52	8	4
1259	34	3	8	52	9	2
1260	35			52	10	
1261	35		1	52	10	10
1262	35		2	52	11	8
1263	35		3	52	12	6
1264	35		4	52	13	4
1265	35		5	52	14	2
1266	35		6	52	15	
1267	35		7	52	15	10
1268	35		8	52	16	8
1269	35	1		52	17	6
1270	35	1	1	52	18	4
1271	35	1	2	52	19	2
1272	35	1	3	53		
1273	35	1	4	53		10
1274	35	1	5	53	1	8
1275	35	1	6	53	2	6
1276	35	1	7	53	3	4
1277	35	1	8	53	4	2
1278	35	2		53	5	
1279	35	2	1	53	5	10
1280	35	2	2	53	6	8
1281	35	2	3	53	7	6
1282	35	2	4	53	8	4
1283	35	2	5	53	9	2
1284	35	2	6	53	10	
1285	35	2	7	53	10	10
1286	35	2	8	53	11	8
1287	35	3		53	12	6

TWELVE BUTTS *continued.*

Gallons.	Barrels	Firkins.	Gall.	£.	s.	d.
1288	35	3	1	53	13	4
1289	35	3	2	53	14	2
1290	35	3	3	53	15	
1291	35	3	4	53	15	10
1292	35	3	5	53	16	8
1293	35	3	6	53	17	6
1294	35	3	7	53	18	4
1295	35	3	8	53	19	2
1296	36			54		

THIRTEEN BUTTS.

1300	36		4	54	3	4
1301	36		5	54	4	2
1302	36		6	54	5	
1303	36		7	54	5	10
1304	36		8	54	6	8
1305	36	1		54	7	6
1306	36	1	1	54	8	4
1307	36	1	2	54	9	2
1308	36	1	3	54	10	
1309	36	1	4	54	10	10
1310	36	1	5	54	11	8
1311	36	1	6	54	12	6
1312	36	1	7	54	13	4
1313	36	1	8	54	14	2
1314	36	2		54	15	
1315	36	2	1	54	15	10
1316	36	2	2	54	16	8
1317	36	2	3	54	17	6
1318	36	2	4	54	18	4
1319	36	2	5	54	19	2
1320	36	2	6	55		

THIRTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1321	36	2	7	55		10
1322	36	2	8	55	1	8
1323	36	3		55	2	6
1324	36	3	1	55	3	4
1325	36	3	2	55	4	2
1326	36	3	3	55	5	
1327	36	3	4	55	5	10
1328	36	3	5	55	6	8
1329	36	3	6	55	7	6
1330	36	3	7	55	8	4
1331	36	3	8	55	9	2
1332	37			55	10	
1333	37		1	55	10	10
1334	37		2	55	11	8
1335	37		3	55	12	6
1336	37		4	55	13	4
1337	37		5	55	14	2
1338	37		6	55	15	
1339	37		7	55	15	10
1340	37		8	55	16	8
1341	37	1		55	17	6
1342	37	1	1	55	18	4
1343	37	1	2	55	19	2
1344	37	1	3	56		
1345	37	1	4	56		10
1346	37	1	5	56	1	8
1347	37	1	6	56	2	6
1348	37	1	7	56	3	4
1349	37	1	8	56	4	2
1350	37	2		56	5	
1351	37	2	1	56	5	10
1352	37	2	2	56	6	8
1353	37	2	3	56	7	6

THIRTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1354	37	2	4	56	8	4
1355	37	2	5	56	9	2
1356	37	2	6	56	10	
1357	37	2	7	56	10	10
1358	37	2	8	56	11	8
1359	37	3		56	12	6
1360	37	3	1	56	13	4
1361	37	3	2	56	14	2
1362	37	3	3	56	15	
1363	37	3	4	56	15	10
1364	37	3	5	56	16	8
1365	37	3	6	56	17	6
1366	37	3	7	56	18	4
1367	37	3	8	56	19	2
1368	38			57		
1369	38		1	57		10
1370	38		2	57	1	8
1371	38		3	57	2	6
1372	38		4	57	3	4
1373	38		5	57	4	2
1374	38		6	57	5	
1375	38		7	57	5	10
1376	38		8	57	6	8
1377	38	1		57	7	6
1378	38	1	1	57	8	4
1379	38	1	2	57	9	2
1380	38	1	3	57	10	
1381	38	1	4	57	10	10
1382	38	1	5	57	11	8
1383	38	1	6	57	12	6
1384	38	1	7	57	13	4
1385	38	1	8	57	14	2
1386	38	2		57	15	

THIRTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1321	36	2	7	55		10
1322	36	2	8	55	1	8
1323	36	3		55	2	6
1324	36	3	1	55	3	4
1325	36	3	2	55	4	2
1326	36	3	3	55	5	
1327	36	3	4	55	5	10
1328	36	3	5	55	6	8
1329	36	3	6	55	7	6
1330	36	3	7	55	8	4
1331	36	3	8	55	9	2
1332	37			55	10	
1333	37		1	55	10	10
1334	37		2	55	11	8
1335	37		3	55	12	6
1336	37		4	55	13	4
1337	37		5	55	14	2
1338	37		6	55	15	
1339	37		7	55	15	10
1340	37		8	55	16	8
1341	37	1		55	17	6
1342	37	1	1	55	18	4
1343	37	1	2	55	19	2
1344	37	1	3	56		
1345	37	1	4	56		10
1346	37	1	5	56	1	8
1347	37	1	6	56	2	6
1348	37	1	7	56	3	4
1349	37	1	8	56	4	2
1350	37	2		56	5	
1351	37	2	1	56	5	10
1352	37	2	2	56	6	8
1353	37	2	3	56	7	6

THIRTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1354	37	2	4	56	8	4
1355	37	2	5	56	9	2
1356	37	2	6	56	10	
1357	37	2	7	56	10	10
1358	37	2	8	56	11	8
1359	37	3		56	12	6
1360	37	3	1	56	13	4
1361	37	3	2	56	14	2
1362	37	3	3	56	15	
1363	37	3	4	56	15	10
1364	37	3	5	56	16	8
1365	37	3	6	56	17	6
1366	37	3	7	56	18	4
1367	37	3	8	56	19	2
1368	38			57		
1369	38		1	57		10
1370	38		2	57	1	8
1371	38		3	57	2	6
1372	38		4	57	3	4
1373	38		5	57	4	2
1374	38		6	57	5	
1375	38		7	57	5	10
1376	38		8	57	6	8
1377	38	1		57	7	6
1378	38	1	1	57	8	4
1379	38	1	2	57	9	2
1380	38	1	3	57	10	
1381	38	1	4	57	10	10
1382	38	1	5	57	11	8
1383	38	1	6	57	12	6
1384	38	1	7	57	13	4
1385	38	1	8	57	14	2
1386	38	2		57	15	

THIRTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1387	38	2	1	57	15	10
1388	38	2	2	57	16	8
1389	38	2	3	57	17	6
1390	38	2	4	57	18	4
1391	38	2	5	57	19	2
1392	38	2	6	58		
1393	38	2	7	58		10
1394	38	2	8	58	1	8
1395	38	3		58	2	6
1396	38	3	1	58	3	4
1397	38	3	2	58	4	2
1398	38	3	3	58	5	
1399	38	3	4	58	5	10
1400	38	3	5	58	6	8
1401	38	3	6	58	7	6
1402	38	3	7	58	8	4
1403	38	3	8	58	9	2
1404	39			58	10	

FOURTEEN BUTTS.

1405	39		1	58	10	10
1406	39		2	58	11	8
1407	39		3	58	12	6
1408	39		4	58	13	4
1409	39		5	58	14	2
1410	39		6	58	15	
1411	39		7	58	15	10
1412	39		8	58	16	8
1413	39	1		58	17	6
1414	39	1	1	58	18	4
1415	39	1	2	58	19	2
1416	39	1	3	59		

FOURTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins	Gall.	£.	s.	d.
1417	39	1	4	59		10
1418	39	1	5	59	1	8
1419	39	1	6	59	2	6
1420	39	1	7	59	3	4
1421	39	1	8	59	4	2
1422	39	2		59	5	
1423	39	2	1	59	5	10
1424	39	2	2	59	6	8
1425	39	2	3	59	7	6
1426	39	2	4	59	8	4
1427	39	2	5	59	9	2
1428	39	2	6	59	10	
1429	39	2	7	59	10	10
1430	39	2	8	59	11	8
1431	39	3		59	12	6
1432	39	3	1	59	13	4
1433	39	3	2	59	14	2
1434	39	3	3	59	15	
1435	39	3	4	59	15	10
1436	39	3	5	59	16	8
1437	39	3	6	59	17	6
1438	39	3	7	59	18	4
1439	39	3	8	59	19	2
1440	40			60		
1441	40		1	60		10
1442	40		2	60	1	8
1443	40		3	60	2	6
1444	40		4	60	3	4
1445	40		5	60	4	2
1446	40		6	60	5	
1447	40		7	60	5	10
1448	40		8	60	6	8

FOURTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1449	40	1		60	7	6
1450	40	1	1	60	8	4
1451	40	1	2	60	9	2
1452	40	1	3	60	10	
1453	40	1	4	60	10	10
1454	40	1	5	60	11	8
1455	40	1	6	60	12	6
1456	40	1	7	60	13	4
1457	40	1	8	60	14	2
1458	40	2		60	15	
1459	40	2	1	60	15	10
1460	40	2	2	60	16	8
1461	40	2	3	60	17	6
1462	40	2	4	60	18	4
1463	40	2	5	60	19	2
1464	40	2	6	61		
1465	40	2	7	61		10
1466	40	2	8	61	1	8
1467	40	3		61	2	6
1468	40	3	1	61	3	4
1469	40	3	2	61	4	2
1470	40	3	3	61	5	
1471	40	3	4	61	5	10
1472	40	3	5	61	6	8
1473	40	3	6	61	7	6
1474	40	3	7	61	8	4
1475	40	3	8	61	9	2
1476	41			61	10	
1477	41		1	61	10	10
1478	41		2	61	11	8
1479	41		3	61	12	6
1480	41		4	61	13	4

FOURTEEN BUTTS *continued.*

Gallons.	Barrels	Firkins	Gall.	£.	s.	d.
1481	41		5	61	14	2
1482	41		6	61	15	
1483	41		7	61	15	10
1484	41		8	61	16	8
1485	41	1		61	17	6
1486	41	1	1	61	18	4
1487	41	1	2	61	19	2
1488	41	1	3	62		
1489	41	1	4	62		10
1490	41	1	5	62	1	8
1491	41	1	6	62	2	6
1492	41	1	7	62	3	4
1493	41	1	8	62	4	2
1494	41	2		62	5	
1495	41	2	1	62	5	10
1496	41	2	2	62	6	8
1497	41	2	3	62	7	6
1498	41	2	4	62	8	4
1499	41	2	5	62	9	2
1500	41	2	6	62	10	
1501	41	2	7	62	10	10
1502	41	2	8	62	11	8
1503	41	3		62	12	6
1504	41	3	1	62	13	4
1505	41	3	2	62	14	2
1506	41	3	3	62	15	
1507	41	3	4	62	15	10
1508	41	3	5	62	16	8
1509	41	3	6	62	17	6
1510	41	3	7	62	18	4
1511	41	3	8	62	19	2
1512	42			63		

FIFTEEN BUTTS.

Gallons.	Barrels.	Firkins.	Gal.	£.	s.	d.
1513	42		1	63		10
1514	42		2	63	1	8
1515	42		3	63	2	6
1516	42		4	63	3	4
1517	42		5	63	4	2
1518	42		6	63	5	
1519	42		7	63	5	10
1520	42		8	63	6	8
1521	42	1		63	7	6
1522	42	1	1	63	8	4
1523	42	1	2	63	9	2
1524	42	1	3	63	10	
1525	42	1	4	63	10	10
1526	42	1	5	63	11	8
1527	42	1	6	63	12	6
1528	42	1	7	63	13	4
1529	42	1	8	63	14	2
1530	42	2		63	15	
1531	42	2	1	63	15	10
1532	42	2	2	63	16	8
1533	42	2	3	63	17	6
1534	42	2	4	63	18	4
1535	42	2	5	63	19	2
1536	42	2	6	64		
1537	42	2	7	64		10
1538	42	2	8	64	1	8
1539	42	3		64	2	6
1540	42	3	1	64	3	4
1541	42	3	2	64	4	2
1542	42	3	3	64	5	
1543	42	3	4	64	5	10
1544	42	3	5	64	6	8
1545	42	3	6	64	7	6

FIFTEEN BUTTS *continued.*

Gallons.	Barrels	Firkins.	Gall.	£.	s.	d.
1546	42	3	7	64	8	1 4
1547	42	3	8	64	9	1 2
1548	43			64	10	1
1549	43		1	64	10	10
1550	43		2	64	11	8
1551	43		3	64	12	6
1552	43		4	64	13	4
1553	43		5	64	14	2
1554	43		6	64	15	
1555	43		7	64	15	10
1556	43		8	64	16	8
1557	43	1		64	17	6
1558	43	1	1	64	18	4
1559	43	1	2	64	19	2
1560	43	1	3	65		
1561	43	1	4	65		10
1562	43	1	5	65	1	8
1563	43	1	6	65	2	6
1564	43	1	7	65	3	4
1565	43	1	8	65	4	2
1566	43	2		65	5	
1567	43	2	1	65	5	10
1568	43	2	2	65	6	8
1569	43	2	3	65	7	6
1570	43	2	4	65	8	4
1571	43	2	5	65	9	2
1572	43	2	6	65	10	
1573	43	2	7	65	10	10
1574	43	2	8	65	11	8
1575	43	3		65	12	6
1576	43	3	1	65	13	4
1577	43	3	2	65	14	2
1578	43	3	3	65	15	

FIFTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1579	43	3	4	65	15	10
1580	43	3	5	65	16	8
1581	43	3	6	65	17	6
1582	43	3	7	65	18	4
1583	43	3	8	65	19	2
1584	44			66		
1585	44		1	66		10
1586	44		2	66	1	8
1587	44		3	66	2	6
1588	44		4	66	3	4
1589	44		5	66	4	2
1590	44		6	66	5	
1591	44		7	66	5	10
1592	44		8	66	6	8
1593	44	1		66	7	6
1594	44	1	1	66	8	4
1595	44	1	2	66	9	2
1596	44	1	3	66	10	
1597	44	1	4	66	10	10
1598	44	1	5	66	11	8
1599	44	1	6	66	12	6
1600	44	1	7	66	13	4
1601	44	1	8	66	14	2
1602	44	2		66	15	
1603	44	2	1	66	15	10
1604	44	2	2	66	16	8
1605	44	2	3	66	17	6
1606	44	2	4	66	18	4
1607	44	2	5	66	19	2
1608	44	2	6	67		
1609	44	2	7	67		10
1610	44	2	8	67	1	8
1611	44	3		67	2	6

FIFTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins	Gall.	£.	s.	d.
1612	44	3	1	67	3	4
1613	44	3	2	67	4	2
1614	44	3	3	67	5	
1615	44	3	4	67	5	10
1616	44	3	5	67	6	8
1617	44	3	6	67	7	6
1618	44	3	7	67	8	4
1619	44	3	8	67	9	2
1620	45			67	10	

SIXTEEN BUTTS.

1621	45		1	67	10	10
1622	45		2	67	11	8
1623	45		3	67	12	6
1624	45		4	67	13	4
1625	45		5	67	14	2
1626	45		6	67	15	
1627	45		7	67	15	10
1628	45		8	67	16	8
1629	45	1		67	17	6
1630	45	1	1	67	18	4
1631	45	1	2	67	19	2
1632	45	1	3	68		
1633	45	1	4	68		10
1634	45	1	5	68	1	8
1635	45	1	6	68	2	6
1636	45	1	7	68	3	4
1637	45	1	8	68	4	2
1638	45	2		68	5	
1639	45	2	1	68	5	10
1640	45	2	2	68	6	8
1641	45	2	3	68	7	6

SIXTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1642	45	2	4	68	8	4
1643	45	2	5	68	9	2
1644	45	2	6	68	10	
1645	45	2	7	68	10	10
1646	45	2	8	68	11	8
1647	45	3		68	12	6
1648	45	3	1	68	13	4
1649	45	3	2	68	14	2
1650	45	3	3	68	15	
1651	45	3	4	68	15	10
1652	45	3	5	68	16	8
1653	45	3	6	68	17	6
1654	45	3	7	68	18	4
1655	45	3	8	68	19	2
1656	46			69		
1657	46		1	69		10
1658	46		2	69	1	8
1659	46		3	69	2	6
1660	46		4	69	3	4
1661	46		5	69	4	2
1662	46		6	69	5	
1663	46		7	69	5	10
1664	46		8	69	6	8
1665	46	1		69	7	6
1666	46	1	1	69	8	4
1667	46	1	2	69	9	2
1668	46	1	3	69	10	
1669	46	1	4	69	10	10
1670	46	1	5	69	11	8
1671	46	1	6	69	12	6
1672	46	1	7	69	13	4
1673	46	1	8	69	14	2
1674	46	2		69	15	

SIXTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1675	46	2	1	69	15	10
1676	46	2	2	69	16	18
1677	46	2	3	69	17	6
1678	46	2	4	69	18	4
1679	46	2	5	69	19	2
1680	46	2	6	70		
1681	46	2	7	70		10
1682	46	2	8	70	1	8
1683	46	3		70	2	6
1684	46	3	1	70	3	4
1685	46	3	2	70	4	2
1686	46	3	3	70	5	
1687	46	3	4	70	5	10
1688	46	3	5	70	6	8
1689	46	3	6	70	7	6
1690	46	3	7	70	8	4
1691	47	3	8	70	9	2
1692	47			70	10	
1693	47		1	70	10	10
1694	47		2	70	11	8
1695	47		3	70	12	6
1696	47		4	70	13	4
1697	47		5	70	14	2
1698	47		6	70	15	
1699	47		7	70	15	10
1700	47		8	70	16	8
1701	47	1		70	17	6
1702	47	1	1	70	18	4
1703	47	1	2	70	19	2
1704	47	1	3	71		
1705	47	1	4	71		10
1706	47	1	5	71	1	8
1707	47	1	6	71	2	6

SIXTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins	Gall.	£.	s.	d.
1708	47	1	7	71	3	4
1709	47	1	8	71	4	2
1710	47	2		71	5	
1711	47	2	1	71	5	10
1712	47	2	2	71	6	8
1713	47	2	3	71	7	6
1714	47	2	4	71	8	4
1715	47	2	5	71	9	2
1716	47	2	6	71	10	
1717	47	2	7	71	10	10
1718	47	2	8	71	11	8
1719	47	3		71	12	6
1720	47	3	1	71	13	4
1721	47	3	2	71	14	2
1722	47	3	3	71	15	
1723	47	3	4	71	15	10
1724	47	3	5	71	16	8
1725	47	3	6	71	17	6
1726	47	3	7	71	18	4
1727	48	3	8	71	19	2
1728	48			72		

SEVENTEEN BUTTS.

1729	48		1	72		10
1730	48		2	72	1	8
1731	48		3	72	2	6
1732	48		4	72	3	4
1733	48		5	72	4	2
1734	48		6	72	5	
1735	48		7	72	5	10
1736	48		8	72	6	8
1737	48	1		72	7	6

SEVENTEEN BUTTS *continued.*

Gallons.	Barrels	Firkins.	Gall.	£.	s.	d.
1738	48	1	1	72	8	4
1739	48	1	2	72	9	2
1740	48	1	3	72	10	
1741	48	1	4	72	10	10
1742	48	1	5	72	11	8
1743	48	1	6	72	12	6
1744	48	1	7	72	13	4
1745	48	1	8	72	14	2
1746	48	2		72	15	
1747	48	2	1	72	15	10
1748	48	2	2	72	16	8
1749	48	2	3	72	17	6
1750	48	2	4	72	18	4
1751	48	2	5	72	19	2
1752	48	2	6	73		
1753	48	2	7	73		10
1754	48	2	8	73	1	8
1755	48	3		73	2	6
1756	48	3	1	73	3	4
1757	48	3	2	73	4	2
1758	48	3	3	73	5	
1759	48	3	4	73	5	10
1760	48	3	5	73	6	8
1761	48	3	6	73	7	6
1762	48	3	7	73	8	4
1763	48	3	8	73	9	2
1764	49			73	10	
1765	49		1	73	10	10
1766	49		2	73	11	8
1767	49		3	73	12	6
1768	49		4	73	13	4
1769	49		5	73	14	2
1770	49		6	73	15	

SEVENTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins	Gall.	£.	s.	d.
1771	49		7	73	15	10
1772	49		8	73	16	8
1773	49	1		73	17	6
1774	49	1	1	73	18	4
1775	49	1	2	73	19	2
1776	49	1	3	74		
1777	49	1	4	74		10
1778	49	1	5	74	1	8
1779	49	1	6	74	2	6
1780	49	1	7	74	3	4
1781	49	1	8	74	4	2
1782	49	2		74	5	
1783	49	2	1	74	5	10
1784	49	2	2	74	6	8
1785	49	2	3	74	7	6
1786	49	2	4	74	8	4
1787	49	2	5	74	9	2
1788	49	2	6	74	10	
1789	49	2	7	74	10	10
1790	49	2	8	74	11	8
1791	49	3		74	12	6
1792	49	3	1	74	13	4
1793	49	3	2	74	14	2
1794	49	3	3	74	15	
1795	49	3	4	74	15	10
1796	49	3	5	74	16	8
1797	49	3	6	74	17	6
1798	49	3	7	74	18	4
1799	49	3	8	74	19	2
1800	50			75		
1801	50		1	75		10
1802	50		2	75	1	8
1803	50		3	75	2	6

SEVENTEEN BUTTS *continued*.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1804	50		4	75	3	4
1805	50		5	75	4	2
1806	50		6	75	5	
1807	50		7	75	5	10
1808	50		8	75	6	8
1809	50	1		75	7	6
1810	50	1	1	75	8	4
1811	50	1	2	75	9	2
1812	50	1	3	75	10	
1813	50	1	4	75	10	10
1814	50	1	5	75	11	8
1815	50	1	6	75	12	6
1816	50	1	7	75	13	4
1817	50	1	8	75	14	2
1818	50	2		75	15	
1819	50	2	1	75	15	10
1820	50	2	2	75	16	8
1821	50	2	3	75	17	6
1822	50	2	4	75	18	4
1823	50	2	5	75	19	2
1824	50	2	6	76		
1825	50	2	7	76		10
1826	50	2	8	76	1	8
1827	50	3		76	2	6
1828	50	3	1	76	3	4
1829	50	3	2	76	4	2
1830	50	3	3	76	5	
1831	50	3	4	76	5	10
1832	50	3	5	76	6	8
1833	50	3	6	76	7	6
1834	50	3	7	76	8	4
1835	50	3	8	76	9	2
1836	51			76	10	

EIGHTEEN BUTTS.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1837	51		1	76	10	10
1838	51		2	76	11	8
1839	51		3	76	12	6
1840	51		4	76	13	4
1841	51		5	76	14	2
1842	51		6	76	15	
1843	51		7	76	15	10
1844	51		8	76	16	8
1845	51	1		76	17	6
1846	51	1	1	76	18	4
1847	51	1	2	76	19	2
1848	51	1	3	77		
1849	51	1	4	77		10
1850	51	1	5	77	1	8
1851	51	1	6	77	2	6
1852	51	1	7	77	3	4
1853	51	1	8	77	4	2
1854	51	2		77	5	
1855	51	2	1	77	5	10
1856	51	2	2	77	6	8
1857	51	2	3	77	7	6
1858	51	2	4	77	8	4
1859	51	2	5	77	9	2
1860	51	2	6	77	10	
1861	51	2	7	77	10	10
1862	51	2	8	77	11	8
1863	51	3		77	12	6
1864	51	3	1	77	13	4
1865	51	3	2	77	14	2
1866	51	3	3	77	15	
1867	51	3	4	77	15	10
1868	51	3	5	77	16	8
1869	51	3	6	77	17	6

EIGHTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1870	51	3	7	77	18	4
1871	51	3	8	77	19	2
1872	52			78		
1873	52		1	78		10
1874	52		2	78	1	8
1875	52		3	78	2	6
1876	52		4	78	3	4
1877	52		5	78	4	2
1878	52		6	78	5	
1879	52		7	78	5	10
1880	52		8	78	6	8
1881	52	1		78	7	6
1882	52	1	1	78	8	4
1883	52	1	2	78	9	2
1884	52	1	3	78	10	
1885	52	1	4	78	10	10
1886	52	1	5	78	11	8
1887	52	1	6	78	12	6
1888	52	1	7	78	13	4
1889	52	1	8	78	14	2
1890	52	2		78	15	
1891	52	2	1	78	15	10
1892	52	2	2	78	16	8
1893	52	2	3	78	17	6
1894	52	2	4	78	18	4
1895	52	2	5	78	19	2
1896	52	2	6	79		
1897	52	2	7	79		10
1898	52	2	8	79	1	8
1899	52	3		79	2	6
1900	52	3	1	79	3	4
1901	52	3	2	79	4	2

EIGHTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1902	52	3	3	79	5	
1903	52	3	4	79	5	10
1904	52	3	5	79	6	8
1905	52	3	6	79	7	6
1906	52	3	7	79	8	4
1907	52	3	8	79	9	2
1908	53			79	10	
1909	53		1	79	10	10
1910	53		2	79	11	8
1911	53		3	79	12	6
1912	53		4	79	13	4
1913	53		5	79	14	2
1914	53		6	79	15	
1915	53		7	79	15	10
1916	53		8	79	16	8
1917	53	1		79	17	6
1918	53	1	1	79	18	4
1919	53	1	2	79	19	2
1920	53	1	3	80		
1921	53	1	4	80		10
1922	53	1	5	80	1	8
1923	53	1	6	80	2	6
1924	53	1	7	80	3	4
1925	53	1	8	80	4	2
1926	53	2		80	5	
1927	53	2	1	80	5	10
1928	53	2	2	80	6	8
1929	53	2	3	80	7	6
1930	53	2	4	80	8	4
1931	53	2	5	80	9	2
1932	53	2	6	80	10	
1933	53	2	7	80	10	10
1934	53	2	8	80	11	8

EIGHTEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1935	53	3		80	12	6
1936	53	3	1	80	13	4
1937	53	3	2	80	14	2
1938	53	3	3	80	15	
1939	53	3	4	80	15	10
1940	53	3	5	80	16	8
1941	53	3	6	80	17	6
1942	53	3	7	80	18	4
1943	53	3	8	80	19	2
1944	54			81		

NINETEEN BUTTS.

1945	54		1	81		10
1946	54		2	81	1	8
1947	54		3	81	2	6
1948	54		4	81	3	4
1949	54		5	81	4	2
1950	54		6	81	5	
1951	54		7	81	5	10
1952	54		8	81	6	8
1953	54	1		81	7	6
1954	54	1	1	81	8	4
1955	54	1	2	81	9	2
1956	54	1	3	81	10	
1957	54	1	4	81	10	10
1958	54	1	5	81	11	8
1959	54	1	6	81	12	6
1960	54	1	7	81	13	4
1961	54	1	8	81	14	2
1962	54	2		81	15	
1963	54	2	1	81	15	10
1964	54	2	2	81	16	8

NINETEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1965	54	2	3	81	17	6
1966	54	2	4	81	18	4
1967	54	2	5	81	19	2
1968	54	2	6	82		
1969	54	2	7	82		10
1970	54	2	8	82	1	8
1971	54	3		82	2	6
1972	54	3	1	82	3	4
1973	54	3	2	82	4	2
1974	54	3	3	82	5	
1975	54	3	4	82	5	10
1976	54	3	5	82	6	8
1977	54	3	6	82	7	6
1978	54	3	7	82	8	4
1979	54	3	8	82	9	2
1980	55			82	10	
1981	55		1	82	10	10
1982	55		2	82	11	8
1983	55		3	82	12	6
1984	55		4	82	13	4
1985	55		5	82	14	2
1986	55		6	82	15	
1987	55		7	82	15	10
1988	55		8	82	16	8
1989	55	1		82	17	6
1990	55	1	1	82	18	4
1991	55	1	2	82	19	2
1992	55	1	3	83		
1993	55	1	4	83		10
1994	55	1	5	83	1	8
1995	55	1	6	83	2	6
1996	55	1	7	83	3	4
1997	55	1	8	83	4	2

NINETEEN BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
1998	55	2		83	5	
1999	55	2	1	83	5	10
2000	55	2	2	83	6	8
2001	55	2	3	83	7	6
2002	55	2	4	83	8	4
2003	55	2	5	83	9	2
2004	55	2	6	83	10	
2005	55	2	7	83	10	10
2006	55	2	8	83	11	8
2007	55	3		83	12	6
2008	55	3	1	83	13	4
2009	55	3	2	83	14	2
2010	55	3	3	83	15	
2011	55	3	4	83	15	10
2012	55	3	5	83	16	8
2013	55	3	6	83	17	6
2014	55	3	7	83	18	4
2015	55	3	8	83	19	2
2016	56			84		
2017	56		1	84		10
2018	56		2	84	1	8
2019	56		3	84	2	6
2020	56		4	84	3	4
2021	56		5	84	4	2
2022	56		6	84	5	
2023	56		7	84	5	10
2024	56		8	84	6	8
2025	56	1		84	7	6
2026	56	1	1	84	8	4
2027	56	1	2	84	9	2
2028	56	1	3	84	10	
2029	56	1	4	84	10	10
2030	56	1	5	84	11	8

NINETEEN BUTTS *continued.*

Gallons.	Barrels	Firkins.	Gall.	£.	s.	d.
2031	56	1	6	84	12	6
2032	56	1	7	84	13	4
2033	56	1	8	84	14	2
2034	56	2		84	15	
2035	56	2	1	84	15	10
2036	56	2	2	84	16	8
2037	56	2	3	84	17	6
2038	56	2	4	84	18	4
2039	56	2	5	84	19	2
2040	56	2	6	85		
2041	56	2	7	85		10
2042	56	2	8	85	1	8
2043	56	3		85	2	6
2044	56	3	1	85	3	4
2045	56	3	2	85	4	2
2046	56	3	3	85	5	
2047	56	3	4	85	5	10
2048	56	3	5	85	6	8
2049	56	3	6	85	7	6
2050	56	3	7	85	8	4
2051	56	3	8	85	9	2
2052	57			85	10	

TWENTY BUTTS.

2053	57		1	85	10	10
2054	57		2	85	11	8
2055	57		3	85	12	6
2056	57		4	85	13	4
2057	57		5	85	14	2
2058	57		6	85	15	
2059	57		7	85	15	10
2060	57		8	85	16	8

TWENTY BUTTS *continued.*

Gallons.	Barrels.	Firkins	Gall.	£.	s.	d.
2061	57	1		85	17	6
2062	57	1	1	85	18	4
2063	57	1	2	85	19	2
2064	57	1	3	86		
2065	57	1	4	86		10
2066	57	1	5	86	1	8
2067	57	1	6	86	2	6
2068	57	1	7	86	3	4
2069	57	1	8	86	4	2
2070	57	2		86	5	
2071	57	2	1	86	5	10
2072	57	2	2	86	6	8
2073	57	2	3	86	7	6
2074	57	2	4	86	8	4
2075	57	2	5	86	9	2
2076	57	2	6	86	10	
2077	57	2	7	86	10	10
2078	57	2	8	86	11	8
2079	57	3		86	12	6
2080	57	3	1	86	13	4
2081	57	3	2	86	14	2
2082	57	3	3	86	15	
2083	57	3	4	86	15	10
2084	57	3	5	86	16	8
2085	57	3	6	86	17	6
2086	57	3	7	86	18	4
2087	57	3	8	86	19	2
2088	58			87		
2089	58		1	87		10
2090	58		2	87	1	8
2091	58		3	87	2	6
2092	58		4	87	3	4
2093	58		5	87	4	2

TWENTY BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2094	58		6	87	5	
2095	58		7	87	5	10
2096	58		8	87	6	8
2097	58	1		87	7	6
2098	58	1	1	87	8	4
2099	58	1	2	87	9	2
2100	58	1	3	87	10	
2101	58	1	4	87	10	10
2102	58	1	5	87	11	8
2103	58	1	6	87	12	6
2104	58	1	7	87	13	4
2105	58	1	8	87	14	2
2106	58	2		87	15	
2107	58	2	1	87	15	10
2108	58	2	2	87	16	8
2109	58	2	3	87	17	6
2110	58	2	4	87	18	4
2111	58	2	5	87	19	2
2112	58	2	6	88		
2113	58	2	7	88		10
2114	58	2	8	88	1	8
2115	58	3		88	2	6
2116	58	3	1	88	3	4
2117	58	3	2	88	4	2
2118	58	3	3	88	5	
2119	58	3	4	88	5	10
2120	58	3	5	88	6	8
2121	58	3	6	88	7	6
2122	58	3	7	88	8	4
2123	58	3	8	88	9	2
2124	59			88	10	
2125	59		1	88	10	10
2126	59		2	88	11	8

TWENTY BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2127	59		3	88	12	6
2128	59		4	88	13	4
2129	59		5	88	14	2
2130	59		6	88	15	
2131	59		7	88	15	10
2132	59		8	88	16	8
2133	59	1		88	17	6
2134	59	1	1	88	18	4
2135	59	1	2	88	19	2
2136	59	1	3	89		
2137	59	1	4	89		10
2138	59	1	5	89	1	8
2139	59	1	6	89	2	6
2140	59	1	7	89	3	4
2141	59	1	8	89	4	2
2142	59	2		89	5	
2143	59	2	1	89	5	10
2144	59	2	2	89	6	8
2145	59	2	3	89	7	6
2146	59	2	4	89	8	4
2147	59	2	5	89	9	2
2148	59	2	6	89	10	
2149	59	2	7	89	10	10
2150	59	2	8	89	11	8
2151	59	3		89	12	6
2152	59	3	1	89	13	4
2153	59	3	2	89	14	2
2154	59	3	3	89	15	
2155	59	3	4	89	15	10
2156	59	3	5	89	16	8
2157	59	3	6	89	17	6
2158	59	3	7	89	18	4
2159	59	3	8	89	19	2
2160	60			90		

TWENTY-ONE BUTTS.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2161	60		1	90		10
2162	60		2	90	1	8
2163	60		3	90	2	6
2164	60		4	90	3	4
2165	60		5	90	4	2
2166	60		6	90	5	
2167	60		7	90	5	10
2168	60		8	90	6	8
2169	60	1		90	7	6
2170	60	1	1	90	8	4
2171	60	1	2	90	9	2
2172	60	1	3	90	10	
2173	60	1	4	90	10	10
2174	60	1	5	90	11	8
2175	60	1	6	90	12	6
2176	60	1	7	90	13	4
2177	60	1	8	90	14	2
2178	60	2		90	15	
2179	60	2	1	90	15	10
2180	60	2	2	90	16	8
2181	60	2	3	90	17	6
2182	60	2	4	90	18	4
2183	60	2	5	90	19	2
2184	60	2	6	91		
2185	60	2	7	91		10
2186	60	2	8	91	1	8
2187	60	3		91	2	6
2188	60	3	1	91	3	4
2189	60	3	2	91	4	2
2190	60	3	3	91	5	
2191	60	3	4	91	5	10
2192	60	3	5	91	6	8
2193	60	3	6	91	7	6

TWENTY-ONE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2194	60	3	7	91	8	4
2195	60	3	8	91	9	2
2196	61			91	10	
2197	61		1	91	10	10
2198	61		2	91	11	8
2199	61		3	91	12	6
2200	61		4	91	13	4
2201	61		5	91	14	2
2202	61		6	91	15	
2203	61		7	91	15	10
2204	61		8	91	16	8
2205	61	1		91	17	6
2206	61	1	1	91	18	4
2207	61	1	2	91	19	2
2208	61	1	3	92		
2209	61	1	4	92		10
2210	61	1	5	92	1	8
2211	61	1	6	92	2	6
2212	61	1	7	92	3	4
2213	61	1	8	92	4	2
2214	61	2		92	5	
2215	61	2	1	92	5	10
2216	61	2	2	92	6	8
2217	61	2	3	92	7	6
2218	61	2	4	92	8	4
2219	61	2	5	92	9	2
2220	61	2	6	92	10	
2221	61	2	7	92	10	10
2222	61	2	8	92	11	8
2223	61	3		92	12	6
2224	61	3	1	92	13	4
2225	61	3	2	92	14	2

TWENTY-ONE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2226	61	3	3	92	15	
2227	61	3	4	92	15	10
2228	61	3	5	92	16	8
2229	61	3	6	92	17	6
2230	61	3	7	92	18	4
2231	61	3	8	92	19	2
2232	62			93		
2233	62		1	93		10
2234	62		2	93	1	8
2235	62		3	93	2	6
2236	62		4	93	3	4
2237	62		5	93	4	2
2238	62		6	93	5	
2239	62		7	93	5	10
2240	62		8	93	6	8
2241	62	1		93	7	6
2242	62	1	1	93	8	4
2243	62	1	2	93	9	2
2244	62	1	3	93	10	
2245	62	1	4	93	10	10
2246	62	1	5	93	11	8
2247	62	1	6	93	12	6
2248	62	1	7	93	13	4
2249	62	1	8	93	14	2
2250	62	2		93	15	
2251	62	2	1	93	15	10
2252	62	2	2	93	16	8
2253	62	2	3	93	17	6
2254	62	2	4	93	18	4
2255	62	2	5	93	19	2
2256	62	2	6	94		
2257	62	2	7	94		10
2258	62	2	8	94	1	8

TWENTY-ONE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2259	62	3		94	2	6
2260	62	3	1	94	3	4
2261	62	3	2	94	4	2
2262	62	3	3	94	5	
2263	62	3	4	94	5	10
2264	62	3	5	94	6	8
2265	62	3	6	94	7	6
2266	62	3	7	94	8	4
2267	62	3	8	94	9	2
2268	63			94	10	

TWENTY-TWO BUTTS.

2269	63		1	94	10	10
2270	63		2	94	11	8
2271	63		3	94	12	6
2272	63		4	94	13	4
2273	63		5	94	14	2
2274	63		6	94	15	
2275	63		7	94	15	10
2276	63		8	94	16	8
2277	63	1		94	17	6
2278	63	1	1	94	18	4
2279	63	1	2	94	19	2
2280	63	1	3	95		
2281	63	1	4	95		10
2282	63	1	5	95	1	8
2283	63	1	6	95	2	6
2284	63	1	7	95	3	4
2285	63	1	8	95	4	2
2286	63	2		95	5	
2287	63	2	1	95	5	10

TWENTY-TWO BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2288	63	2	2	95	6	8
2289	63	2	3	95	7	6
2290	63	2	4	95	8	4
2291	63	2	5	95	9	2
2292	63	2	6	95	10	
2293	63	2	7	95	10	10
2294	63	2	8	95	11	8
2295	63	3		95	12	6
2296	63	3	1	95	13	4
2297	63	3	2	95	14	2
2298	63	3	3	95	15	
2299	63	3	4	95	15	10
2300	63	3	5	95	16	8
2301	63	3	6	95	17	6
2302	63	3	7	95	18	4
2303	63	3	8	95	19	2
2304	64			96		
2305	64		1	96		10
2306	64		2	96	1	8
2307	64		3	96	2	6
2308	64		4	96	3	4
2309	64		5	96	4	2
2310	64		6	96	5	
2311	64		7	96	5	10
2312	64		8	96	6	8
2313	64	1		96	7	6
2314	64	1	1	96	8	4
2315	64	1	2	96	9	2
2316	64	1	3	96	10	
2317	64	1	4	96	10	10
2318	64	1	5	96	11	8
2319	64	1	6	96	12	6
2320	64	1	7	96	13	4

TWENTY-TWO BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2321	64	1	8	96	14	2
2322	64	2		96	15	
2323	64	2	1	96	15	10
2324	64	2	2	96	16	8
2325	64	2	3	96	17	6
2326	64	2	4	96	18	4
2327	64	2	5	96	19	2
2328	64	2	6	97		
2329	64	2	7	97		10
2330	64	2	8	97	1	8
2331	64	3		97	2	6
2332	64	3	1	97	3	4
2333	64	3	2	97	4	2
2334	64	3	3	97	5	
2335	64	3	4	97	5	10
2336	64	3	5	97	6	8
2337	64	3	6	97	7	6
2338	64	3	7	97	8	4
2339	64	3	8	97	9	2
2340	65			97	10	
2341	65		1	97	10	10
2342	65		2	97	11	8
2343	65		3	97	12	6
2344	65		4	97	13	4
2345	65		5	97	14	2
2346	65		6	97	15	
2347	65		7	97	15	10
2348	65		8	97	16	8
2349	65	1		97	17	6
2350	65	1	1	97	18	4
2351	65	1	2	97	19	2
2352	65	1	3	98		

TWENTY-TWO BUTTS *continued.*

Gallons.	Barrels.	Firkins	Gall.	£.	s.	d.
2353	65	1	4	98		10
2354	65	1	5	98	1	8
2355	65	1	6	98	2	6
2356	65	1	7	98	3	4
2357	65	1	8	98	4	2
2358	65	2		98	5	
2359	65	2	1	98	5	10
2360	65	2	2	98	6	8
2361	65	2	3	98	7	6
2362	65	2	4	98	8	4
2363	65	2	5	98	9	2
2364	65	2	6	98	10	
2365	65	2	7	98	10	10
2366	65	2	8	98	11	8
2367	65	3		98	12	6
2368	65	3	1	98	13	4
2369	65	3	2	98	14	2
2370	65	3	3	98	15	
2371	65	3	4	98	15	10
2372	65	3	5	98	16	8
2373	65	3	6	98	17	6
2374	65	3	7	98	18	4
2375	65	3	8	98	19	2
2376	66			99		

TWENTY-THREE BUTTS.

2377	66		1	99		10
2378	66		2	99	1	8
2379	66		3	99	2	6
2380	66		4	99	3	4
2381	66		5	99	4	2
2382	66		6	99	5	

TWENTY-THREE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2383	66		7	99	5	10
2384	66		8	99	6	8
2385	66	1		99	7	6
2386	66	1	1	99	8	4
2387	66	1	2	99	9	2
2388	66	1	3	99	10	
2389	66	1	4	99	10	10
2390	66	1	5	99	11	8
2391	66	1	6	99	12	6
2392	66	1	7	99	13	4
2393	66	1	8	99	14	2
2394	66	2		99	15	
2395	66	2	1	99	15	10
2396	66	2	2	99	16	8
2397	66	2	3	99	17	6
2398	66	2	4	99	18	4
2399	66	2	5	99	19	2
2400	66	2	6	100		
2401	66	2	7	100		10
2402	66	2	8	100	1	8
2403	66	3		100	2	6
2404	66	3	1	100	3	4
2405	66	3	2	100	4	2
2406	66	3	3	100	5	
2407	66	3	4	100	5	10
2408	66	3	5	100	6	8
2409	66	3	6	100	7	6
2410	66	3	7	100	8	4
2411	66	3	8	100	9	2
2412	67			100	10	
2413	67		1	100	10	10
2414	67		2	100	11	8
2415	67		3	100	12	6

TWENTY-THREE BUTTS *continued.*

Gallons.	Barrels	Firkins.	Gall.	£.	s.	d.
2416	67		4	100	13	4
2417	67		5	100	14	2
2418	67		6	100	15	
2419	67		7	100	15	10
2420	67		8	100	16	8
2421	67	1		100	17	6
2422	67	1	1	100	18	4
2423	67	1	2	100	19	2
2424	67	1	3	101		
2425	67	1	4	101		10
2426	67	1	5	101	1	8
2427	67	1	6	101	2	6
2428	67	1	7	101	3	4
2429	67	1	8	101	4	2
2430	67	2		101	5	
2431	67	2	1	101	5	10
2432	67	2	2	101	6	8
2433	67	2	3	101	7	6
2434	67	2	4	101	8	4
2435	67	2	5	101	9	2
2436	67	2	6	101	10	
2437	67	2	7	101	10	10
2438	67	2	8	101	11	8
2439	67	3		101	12	6
2440	67	3	1	101	13	4
2441	67	3	2	101	14	2
2442	67	3	3	101	15	
2443	67	3	4	101	15	10
2444	67	3	5	101	16	8
2445	67	3	6	101	17	6
2446	67	3	7	101	18	4
2447	67	3	8	101	19	2
2448	68			102		

TWENTY-THREE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2449	68		1	102		10
2450	68		2	102	1	8
2451	68		3	102	2	6
2452	68		4	102	3	4
2453	68		5	102	4	2
2454	68		6	102	5	
2455	68		7	102	5	10
2456	68		8	102	6	8
2457	68	1		102	7	6
2458	68	1	1	102	8	4
2459	68	1	2	102	9	2
2460	68	1	3	102	10	
2461	68	1	4	102	10	10
2462	68	1	5	102	11	8
2463	68	1	6	102	12	6
2464	68	1	7	102	13	4
2465	68	1	8	102	14	2
2466	68	2		102	15	
2467	68	2	1	102	15	10
2468	68	2	2	102	16	8
2469	68	2	3	102	17	6
2470	68	2	4	102	18	4
2471	68	2	5	102	19	2
2472	68	2	6	103		
2473	68	2	7	103		10
2474	68	2	8	103	1	8
2475	68	3		103	2	6
2476	68	3	1	103	3	4
2477	68	3	2	103	4	2
2478	68	3	3	103	5	
2479	68	3	4	103	5	10
2480	68	3	5	103	6	8
2481	68	3	6	103	7	6

TWENTY-THREE BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2482	68	3	7	103	8	4
2483	68	3	8	103	9	2
2484	69			103	10	

TWENTY-FOUR BUTTS.

2485	69		1	103	10	10
2486	69		2	103	11	8
2487	69		3	103	12	6
2488	69		4	103	13	4
2489	69		5	103	14	2
2490	69		6	103	15	
2491	69		7	103	15	10
2492	69		8	103	16	8
2493	69	1		103	17	6
2494	69	1	1	103	18	4
2495	69	1	2	103	19	2
2496	69	1	3	104		
2497	69	1	4	104		10
2498	69	1	5	104	1	8
2499	69	1	6	104	2	6
2500	69	1	7	104	3	4
2501	69	1	8	104	4	2
2502	69	2		104	5	
2503	69	2	1	104	5	10
2504	69	2	2	104	6	8
2505	69	2	3	104	7	6
2506	69	2	4	104	8	4
2507	69	2	5	104	9	2
2508	69	2	6	104	10	
2509	69	2	7	104	10	10
2510	69	2	8	104	11	8
2511	69	3		104	12	6

TWENTY-FOUR BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2512	69	3	1	104	13	4
2513	69	3	2	104	14	2
2514	69	3	3	104	15	
2515	69	3	4	104	15	10
2516	69	3	5	104	16	8
2517	69	3	6	104	17	6
2518	69	3	7	104	18	4
2519	69	3	8	104	19	2
2520	70			105		
2521	70		1	105		10
2522	70		2	105	1	8
2523	70		3	105	2	6
2524	70		4	105	3	4
2525	70		5	105	4	2
2526	70		6	105	5	
2527	70		7	105	5	10
2528	70		8	105	6	8
2529	70	1		105	7	6
2530	70	1	1	105	8	4
2531	70	1	2	105	9	2
2532	70	1	3	105	10	
2533	70	1	4	105	10	10
2534	70	1	5	105	11	8
2535	70	1	6	105	12	6
2536	70	1	7	105	13	4
2537	70	1	8	105	14	2
2538	70	2		105	15	
2539	70	2	1	105	15	10
2540	70	2	2	105	16	8
2541	70	2	3	105	17	6
2542	70	2	4	105	18	4
2543	70	2	5	105	19	2
2544	70	2	6	106		

TWENTY-FOUR BUTTS *continued.*

Gallons.	Barrels	Firkins	Gall.	£.	s.	d.
2545	70	2	7	106		10
2546	70	2	8	106	1	8
2547	70	3		106	2	6
2548	70	3	1	106	3	4
2549	70	3	2	106	4	2
2550	70	3	3	106	5	
2551	70	3	4	106	5	10
2552	70	3	5	106	6	8
2553	70	3	6	106	7	6
2554	70	3	7	106	8	4
2555	70	3	8	106	9	2
2556	71			106	10	
2557	71		1	106	10	10
2558	71		2	106	11	8
2559	71		3	106	12	6
2560	71		4	106	13	4
2561	71		5	106	14	2
2562	71		6	106	15	
2563	71		7	106	15	10
2564	71		8	106	16	8
2565	71	1		106	17	6
2566	71	1	1	106	18	4
2567	71	1	2	106	19	2
2568	71	1	3	107		
2569	71	1	4	107		10
2570	71	1	5	107	1	8
2571	71	1	6	107	2	6
2572	71	1	7	107	3	4
2573	71	1	8	107	4	2
2574	71	2		107	5	
2575	71	2	1	107	5	10
2576	71	2	2	107	6	8
2577	71	2	3	107	7	6

TWENTY-FOUR BUTTS *continued.*

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
2578	71	2	4	107	8	4
2579	71	2	5	107	9	2
2580	71	2	6	107	10	
2581	71	2	7	107	10	10
2582	71	2	8	107	11	8
2583	71	3		107	12	6
2584	71	3	1	107	13	4
2585	71	3	2	107	14	2
2586	71	3	3	107	15	
2587	71	3	4	107	15	10
2588	71	3	5	107	16	8
2589	71	3	6	107	17	6
2590	71	3	7	107	18	4
2591	71	3	8	107	19	2
2592	72			108		

RETURNS, OR LEAKAGE,

OF

STORE BEER OR AMBER,

At 30s. per Barrel.

Gallons.	Firkins.	Gallons.	£.	s.	d.
1					10
2				1	8
3				2	6
4				3	4
5				4	2
6				5	
7				5	10
8				6	8
9	1			7	6
10	1	1		8	4
11	1	2		9	2
12	1	3		10	
13	1	4		10	10
14	1	5		11	8
15	1	6		12	6
16	1	7		13	4
17	1	8		14	2
18	2			15	
19	2	1		15	10
20	2	2		16	8
21	2	3		17	6
22	2	4		18	4
23	2	5		19	2
24	2	6	1		
25	2	7	1		10
26	2	8	1	1	8
27	3		1	2	6

TABLE OF RETURNS.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
28		3	1	1	3	4
29		3	2	1	4	2
30		3	3	1	5	
31		3	4	1	5	10
32		3	5	1	6	8
33		3	6	1	7	6
34		3	7	1	8	4
35		3	8	1	9	2
36	1			1	10	
37	1		1	1	10	10
38	1		2	1	11	8
39	1		3	1	12	6
40	1		4	1	13	4
41	1		5	1	14	2
42	1		6	1	15	
43	1		7	1	15	10
44	1		8	1	16	8
45	1	1		1	17	6
46	1	1	1	1	18	4
47	1	1	2	1	19	2
48	1	1	3	2		
49	1	1	4	2	1	10
50	1	1	5	2	2	8
51	1	1	6	2	3	6
52	1	1	7	2	4	4
53	1	1	8	2	5	2
54	1	2		2	5	10
55	1	2	1	2	6	8
56	1	2	2	2	7	6
57	1	2	3	2	8	4
58	1	2	4	2	9	2
59	1	2	5			

TABLE OF RETURNS.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
60	1	2	6	2	10	
61	1	2	7	2	10	10
62	1	2	8	2	11	8
63	1	3		2	12	6
64	1	3	1	2	13	4
65	1	3	2	2	14	2
66	1	3	3	2	15	
67	1	3	4	2	15	10
68	1	3	5	2	16	8
69	1	3	6	2	17	6
70	1	3	7	2	18	4
71	1	3	8	2	19	2
72	2			3		
73	2		1	3		10
74	2		2	3	1	8
75	2		3	3	2	6
76	2		4	3	3	4
77	2		5	3	4	2
78	2		6	3	5	
79	2		7	3	5	10
80	2		8	3	6	8
81	2	1		3	7	6
82	2	1	1	3	8	4
83	2	1	2	3	9	2
84	2	1	3	3	10	
85	2	1	4	3	10	10
86	2	1	5	3	11	8
87	2	1	6	3	12	6
88	2	1	7	3	13	4
89	2	1	8	3	14	2
90	2	2		3	15	
91	2	2	1	3	15	10
92	2	2	2	3	16	8

TABLE OF RETURNS.

Gallons.	Barrels.	Firkins.	Gall.	£.	s.	d.
93	2	2	3	3	17	6
94	2	2	4	3	18	4
95	2	2	5	3	19	2
96	2	2	6	4		
97	2	2	7	4		10
98	2	2	8	4	1	8
99	2	3		4	2	6
100	2	3	1	4	3	4
200	5	2	2	8	6	8
300	8	1	3	12	10	
400	11		4	16	13	4
500	13	3	5	20	16	8
600	16	2	6	25		
700	19	1	7	29	3	4
800	22		8	33	6	8
900	25			37	10	
1000	27	3	1	41	13	4

STARTED BEER,

At 29s. per Barrel.

Barrels.	Fir.	£.	s.	d.	Barrels.	£.	s.
	1		7	3	28	40	12
	2		14	6	29	42	1
	3	1	1	9	30	43	10
1		1	9		31	44	19
2		2	18		32	46	8
3		4	7		33	47	17
4		5	16		34	49	6
5		7	5		35	50	15
6		8	14		36	52	4
7		10	3		37	53	13
8		11	12		38	55	2
9		13	1		39	56	11
10		14	10		40	58	
11		15	19		41	59	9
12		17	8		42	60	18
13		18	17		43	62	7
14		20	6		44	63	16
15		21	15		45	65	5
16		23	4		46	66	14
17		24	13		47	68	3
18		26	2		48	69	12
19		27	11		49	71	1
20		29			50	72	10
21		30	9		51	73	19
22		31	18		52	75	8
23		33	7		53	76	17
24		34	16		54	78	6
25		36	5		55	79	15
26		37	14		56	81	4
27		39	3		57	82	13

STARTED BEER, *at* 29*s. per Barrel.*

Barrels.	£.	s.	Barrels.	£.	s.
58	84	2	84	121	16
59	85	11	85	123	5
60	87		86	124	14
61	88	9	87	126	3
62	89	18	88	127	12
63	91	7	89	129	1
64	92	16	90	130	10
65	94	5	91	131	19
66	95	14	92	133	8
67	97	3	93	134	17
68	98	12	94	136	6
69	100	1	95	137	15
70	101	10	96	139	4
71	102	19	97	140	13
72	104	8	98	142	2
73	105	17	99	143	11
74	107	6	100	145	
75	108	15	200	290	
76	110	4	300	435	
77	111	13	400	580	
78	113	2	500	725	
79	114	11	600	870	
80	116		700	1015	
81	117	9	800	1160	
82	118	18	900	1305	
83	120	7	1000	1450	

NOTE. For every twenty Barrels of Beer ſtarted, the Publican receives one Barrel over from the Brewer, as an Allowance for ſtarting Expences and Cellar Rent. Others that do not make the above Allowance in lieu thereof, fill up the Barrels at the ſtarting Tub.

Brewers vary in making Allowance on ſtarted Beer.

PUNCHEONS of STORE BEER,

At 30s. per Barrel.

Punchs.	Barrels.	£.	Punchs.	Barrels.	£.
1	2	3	31	62	93
2	4	6	32	64	96
3	6	9	33	66	99
4	8	12	34	68	102
5	10	15	35	70	105
6	12	18	36	72	108
7	14	21	37	74	111
8	16	24	38	76	114
9	18	27	39	78	117
10	20	30	40	80	120
11	22	33	41	82	123
12	24	36	42	84	126
13	26	39	43	86	129
14	28	42	44	88	132
15	30	45	45	90	135
16	32	48	46	92	138
17	34	51	47	94	141
18	36	54	48	96	144
19	38	57	49	98	147
20	40	60	50	100	150
21	42	63	51	102	153
22	44	66	52	104	156
23	46	69	53	106	159
24	48	72	54	108	162
25	50	75	55	110	165
26	52	78	56	112	168
27	54	81	57	114	171
28	56	84	58	116	174
29	58	87	59	118	177
30	60	90	60	120	180

PUNCHEONS, *at* 30*s. per Barrel.*

Punchs.	Barrels.	£.	Punchs.	Barrels	£.
61	122	183	85	170	255
62	124	186	86	172	258
63	126	189	87	174	261
64	128	192	88	176	264
65	130	195	89	178	267
66	132	198	90	180	270
67	134	201	91	182	273
68	136	204	92	184	276
69	138	207	93	186	279
70	140	210	94	188	282
71	142	213	95	190	285
72	144	216	96	192	288
73	146	219	97	194	291
74	148	222	98	196	294
75	150	225	99	198	297
76	152	228	100	200	300
77	154	231	200	400	600
78	156	234	400	800	1200
79	158	237	600	1200	1800
80	160	240	800	1600	2400
81	162	243	1000	2000	3000
82	164	246	2000	4000	6000
83	166	249	3000	6000	9000
84	168	252			

AMBER,

At 30s. per Barrel.

No. of Casks.	Firkins 9 Gallons.			Kilderkins 18 Gallons.		Half Hogsheads 27 Gallons.			Barrels 36 Gallons		Hogsheads 54 Gallons.	
	£.	s.	d.	£.	s.	£.	s.	d.	£.	s.	£.	s.
1		7	6		15	1	2	6	1	10	2	5
2		15		1	10	2	5		3		4	10
3	1	2	6	2	5	3	7	6	4	10	6	15
4	1	10		3		4	10		6		9	
5	1	17	6	3	15	5	12	6	7	10	11	5
6	2	5		4	10	6	15		9		13	10
7	2	12	6	5	5	7	17	6	10	10	15	15
8	3			6		9			12		18	
9	3	7	6	6	15	10	2	6	13	10	20	5
10	3	15		7	10	11	5		15		22	10
11	4	2	6	8	5	12	7	6	16	10	24	15
12	4	10		9		13	10		18		27	
13	4	17	6	9	15	14	12	6	19	10	29	5
14	5	5		10	10	15	15		21		31	10
15	5	12	6	11	5	16	17	6	22	10	33	15
16	6			12		18			24		36	
17	6	7	6	12	15	19	2	6	25	10	38	5
18	6	15		13	10	20	5		27		40	10
19	7	2	6	14	5	21	7	6	28	10	42	15
20	7	10		15		22	10		30		45	

NOTE. For Returns or Leakage, refer to the Beer and Amber Return Table, pages 62, 63, 64, and 65.

ALE, *at* 36*s. per Barrel.*

No. of Casks.	Kilderkins 18 Gallons.		Half Hogheads 27 Gallons.		Barrels 36 Gallons.		Hogheads 54 Gallons.		Puncheons 72 Gallons.	
	£.	s.	£.	s.	£.	s.	£.	s.	£.	s.
1		18	1	7	1	16	2	14	3	12
2	1	16	2	14	3	12	5	8	7	4
3	2	14	4	1	5	8	8	2	10	16
4	3	12	5	8	7	4	10	16	14	8
5	4	10	6	15	9		13	10	18	
6	5	8	8	2	10	16	16	4	21	12
7	6	6	9	9	12	12	18	18	25	4
8	7	4	10	16	14	8	21	12	28	16
9	8	2	12	3	16	4	24	6	32	8
10	9		13	10	18		27		36	
11	9	18	14	17	19	16	29	14	39	12
12	10	16	16	4	21	12	32	8	43	4
13	11	14	17	11	23	8	35	2	46	16
14	12	12	18	18	25	4	37	16	50	8
15	13	10	20	5	27		40	10	54	
16	14	8	21	12	28	16	43	4	57	12
17	15	6	22	19	30	12	45	18	61	4
18	16	4	24	6	32	8	48	12	64	16
19	17	2	25	13	34	4	51	6	68	8
20	18		27		36		54		72	
21	18	18	28	7	37	16	56	14	75	12
22	19	16	29	14	39	12	59	8	79	4
23	20	14	31	1	41	8	62	2	82	16
24	21	12	32	8	43	4	64	16	86	8
25	22	10	33	15	45		67	10	90	
26	23	8	35	2	46	16	70	4	93	12
27	24	6	36	9	48	12	72	18	97	4
28	25	4	37	16	50	8	75	12	100	16
29	26	2	39	3	52	4	78	6	104	8
30	27		40	10	54		81		108	0

For Returns or Leakage of Ale, deduct at the Rate of one Shilling for each Gallon.

The GAUGE of a BEER BUTT ſtanding, by Inches; and the Quantities given in Gallons and Quarts.

In. Ten.	Gall.	Quarts.	Inches.	Gall.	Quarts.
1, 1	2		24	56	3
2, 2	4		25	59	3
3	5	2	26	62	
4	7	2	27	64	3
5, 2	10		28	67	1
6	11	3	29	69	3
7	14		30	72	2
8	16		31	75	
9	18	2	32	77	2
10	21		33	80	
11	23	1	34	82	2
12	26		35	85	
13	28	1	36	87	2
14	30	3	37	89	3
15	33	1	38	92	
16	36		39	94	1
17	38	2	40	96	2
18	41		41	98	2
19	43	3	42	100	2
20	46	1	43	102	2
21	49		44	104	2
22	51	3	45	105	1
23	54	1	46	108	

The GAUGE of a BEER PUNCHEON ſtanding, by Inches; and the Quantity given in Gallons and Quarts.

Inches.	Gall.	Quarts.	Inches.	Gall.	Quarts.
1	1	3	19	38	2
2	3	1	20	40	2
3	5		21	43	
4	6	3	22	45	1
5	8	2	23	47	1
6	10	2	24	50	
7	12	2	25	51	2
8	14	2	26	53	3
9	16	2	27	55	3
10	18	2	28	57	3
11	20	2	29	59	3
12	23		30	61	3
13	25		31	63	2
14	27		32	65	2
15	29	1	33	67	1
16	31	2	34	68	3
17	33	3	35	70	3
18	36		36	72	

The GAUGE of ſeveral CASKS ſtanding and lying, with the Quantity of Gallons they contain, and the Dimenſions of each given in Inches and Tenths.

Gallons.	Caſks.	STANDING.		LYING.	
		Inch.	Ten.	Inch.	Ten.
9	Firkin	15	5	14	7
18	Kilderkin	21		18	5
27	Half-hogſhead	22	5	21	5
36	Barrel	27		23	
54	Hogſhead	31		26	
72	Puncheon	36		28	3
108	Butt	46		31	1

A TABLE OF FEES AND EXPENCES USUALLY PAID BY PUBLICANS.

	l.	*d.*
For ſtarting every barrel of beer		1
For ſtopping every butt of ſtarted beer		4
To the Cooper for every firkin of finings	4	6
Or finings for every butt of beer conſumed	1	
For removing a butt of beer from a ſtarting cellar abroad, into the home cellar	1	
Ditto for a puncheon		8
For removing a butt, or puncheon, in the home cellar, and for ale in the ſame proportion		6
For the fee or uſe of every tap-tub		6
Ditto ſaveall	1	6
Ditto tunnel	1	
Ditto water tub	2	6

No charge on fining tubs, they being the ſole property of the Cooper.

THE

THE PUBLICAN's RECKONER.

No.	BEER. Pints. s.	BEER. Pints. d.	BEER. Quarts. s.	BEER. Quarts. d.	ALE. Pints. s.	ALE. Pints. d.	ALE. Quarts. s.	ALE. Quarts. d.	AMBER. Pints. s.	AMBER. Pints. d.	AMBER. Quarts. s.	AMBER. Quarts. d.
1		1¾		3½		2½		5		2		4
2		3½		7		5		10		4		8
3		5¼		10½		7½	1	3		6	1	0
4		7	1	2		10	1	8		8	1	4
5		8¾	1	5½	1	0½	2	1		10	1	8
6		10½	1	9	1	3	2	6	1	0	2	0
7	1	0¼	2	0½	1	5½	2	11	1	2	2	4
8	1	2	2	4	1	8	3	4	1	4	2	8
9	1	3¾	2	7½	1	10½	3	9	1	6	3	0
10	1	5½	2	11	2	1	4	2	1	8	3	4
11	1	7¼	3	2½	2	3½	4	7	1	10	3	8
12	1	9	3	6	2	6	5	0	2	0	4	0
13	1	10¾	3	9½	2	8½	5	5	2	2	4	4
14	2	0½	4	1	2	11	5	10	2	4	4	8
15	2	2¼	4	4½	3	1½	6	3	2	6	5	0
16	2	4	4	8	3	4	6	8	2	8	5	4
17	2	5¾	4	11½	3	6½	7	1	2	10	5	8
18	2	7½	5	3	3	9	7	6	3	0	6	0
19	2	9¼	5	6½	3	11½	7	11	3	2	6	4
20	2	11	5	10	4	2	8	4	3	4	6	8
21	3	0¾	6	1½	4	4½	8	9	3	6	7	0
22	3	2½	6	5	4	7	9	2	3	8	7	4
23	3	4¼	6	8½	4	9½	9	7	3	10	7	8
24	3	6	7	0	5	0	10	0	4	0	8	0
25	3	7¾	7	3½	5	2½	10	5	4	2	8	4
26	3	9½	7	7	5	5	10	10	4	4	8	8
27	3	11¼	7	10½	5	7½	11	3	4	6	9	0
28	4	1	8	2	5	10	11	8	4	8	9	4
29	4	2¾	8	5½	6	0½	12	1	4	10	9	8
30	4	4½	8	9	6	3	12	6	5	0	10	0
31	4	6¼	8	0½	6	5½	12	11	5	2	10	4
32	4	8	9	4	6	8	13	4	5	4	10	8
33	4	9¾	9	7½	6	10½	13	9	5	6	11	0
34	4	11½	9	11	7	1	14	2	5	8	11	4
35	5	1¼	10	2½	7	3½	14	7	5	10	11	8
36	5	3	10	6	7	6	15	0	6	0	12	0
37	5	4¾	10	9½	7	8½	15	5	6	2	12	4
38	5	6½	11	1	7	11	15	10	6	4	12	8
39	5	8¼	11	4½	8	1½	16	3	6	6	13	0
40	5	10	11	8	8	4	16	8	6	8	13	4
41	5	11¾	11	11½	8	6½	17	1	6	10	13	8

THE PUBLICAN's RECKONER.

No.	BEER. Pints. s.	d.	BEER. Quarts. s.	d.	ALE. Pints. s.	d.	ALE. Quarts. s.	d.	AMBER. Pints. s.	d.	AMBER. Quarts. s.	d.
42	6	2 1/2	12	3	8	9	17	6	7	0	14	0
43	6	3 1/3	12	6 1/2	8	11 1/2	17	11	7	2	14	4
44	6	5	12	10	9	2	18	4	7	4	14	8
45	6	6 2/3	13	1 1/2	9	4 1/2	18	9	7	6	15	0
46	6	8 1/2	13	5	9	7	19	2	7	8	15	4
47	6	10 1/4	13	8 1/2	9	9 1/2	19	7	7	10	15	8
48	7	0	14	0	10	0	20	0	8	0	16	0
49	7	1 3/4	14	3 1/2	10	2 1/2	20	5	8	2	16	4
50	7	3 1/2	14	7	10	5	20	10	8	4	16	8

THE END.